STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/528,845
Source: PCT/10
Date Processed by STIC: 4/4/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
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1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

PCT

RAW SEQUENCE LISTING DATE: 04/04/2005
PATENT APPLICATION: **US/10/528,845** TIME: 11:02:42

Input Set : **A:\0185660SeqList.txt**
Output Set: **N:\CRF4\04042005\J528845.raw**

3 <110> APPLICANT: DSM IP ASSETS B.V.
5 <120> TITLE OF INVENTION: A gene encoding vitamin B6 phosphate phosphatase and use thereof
7 <130> FILE REFERENCE: NDR5234
C--> 9 **<140> CURRENT APPLICATION NUMBER: US/10/528,845**
C--> 10 **<141> CURRENT FILING DATE: 2005-03-23**
12 <150> PRIOR APPLICATION NUMBER: EP 02021622.2
13 <151> PRIOR FILING DATE: 2002-09-27
15 <160> NUMBER OF SEQ ID NOS: 12
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 20
21 <212> TYPE: PRT
22 <213> ORGANISM: Sinorhizobium meliloti
24 <400> SEQUENCE: 1
26 Ala His Ala Ile Asp Tyr Ser Val Val Pro Ala Asp Pro Ala Leu Gly
27 1 5 10 15
30 Glu Ala Ile Lys
31 20
34 <210> SEQ ID NO: 2
35 <211> LENGTH: 14
36 <212> TYPE: PRT
37 <213> ORGANISM: Sinorhizobium meliloti
39 <400> SEQUENCE: 2
41 Ile Asp Thr Ala Asn Ala Val Met Phe Glu Asp Leu Pro Arg
42 1 5 10
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 23
47 <212> TYPE: PRT
48 <213> ORGANISM: Sinorhizobium meliloti
50 <400> SEQUENCE: 3
52 Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu His His Gly Ile Asp
53 1 5 10 15
56 Pro Asn Asp Phe Leu Glu Arg
57 20
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 10
62 <212> TYPE: PRT
63 <213> ORGANISM: Sinorhizobium meliloti
65 <400> SEQUENCE: 4
67 Met Lys Lys Leu Asp Arg Met Pro Thr His
68 1 5 10
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 21

Does Not Comply
Corrected Diskette Needed

p. 2

RAW SEQUENCE LISTING DATE: 04/04/2005
PATENT APPLICATION: **US/10/528,845** TIME: 11:02:42

Input Set : **A:\0185660SeqList.txt**
Output Set: **N:\CRF4\04042005\J528845.raw**

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     73 <212> TYPE: DNA
     74 <213> ORGANISM: Artificial Sequence
     76 <220> FEATURE:
     77 <223> OTHER INFORMATION: Primer CN02
     80 <220> FEATURE:
     81 <221> NAME/KEY: modified_base
     82 <222> LOCATION: (12)..(12)
     83 <223> OTHER INFORMATION: I
     85 <220> FEATURE:
     86 <221> NAME/KEY: modified_base
     87 <222> LOCATION: (18)..(18)
     88 <223> OTHER INFORMATION: I
     90 <400> SEQUENCE: 5
     91 atgaaraary tagaymgaat g                                        21
     94 <210> SEQ ID NO: 6
     95 <211> LENGTH: 20
     96 <212> TYPE: DNA
     97 <213> ORGANISM: Artificial Sequence
     99 <220> FEATURE:
    100 <223> OTHER INFORMATION: Primer C642
    103 <220> FEATURE:
    104 <221> NAME/KEY: misc_feature
    105 <222> LOCATION: (12)..(12)
    106 <223> OTHER INFORMATION: n is a, g, c or t
    108 <220> FEATURE:
    109 <221> NAME/KEY: misc_feature
    110 <222> LOCATION: (15)..(15)
    111 <223> OTHER INFORMATION: n is a, g, c or t
    113 <400> SEQUENCE: 6
W--> 114 tcytcraaca tncangcrtt                                        20
    117 <210> SEQ ID NO: 7
    118 <211> LENGTH: 21
    119 <212> TYPE: DNA
    120 <213> ORGANISM: Artificial Sequence
    122 <220> FEATURE:
    123 <223> OTHER INFORMATION: Primer C101
    125 <400> SEQUENCE: 7
    126 gccgaattcg cccatgtcac c                                        21
    129 <210> SEQ ID NO: 8
    130 <211> LENGTH: 21
    131 <212> TYPE: DNA
    132 <213> ORGANISM: Artificial Sequence
    134 <220> FEATURE:
    135 <223> OTHER INFORMATION: Primer C102
    137 <400> SEQUENCE: 8
    138 cgccgtgtcg atgcggtgaa g                                        21
    141 <210> SEQ ID NO: 9
    142 <211> LENGTH: 708
    143 <212> TYPE: DNA
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if "inosine" is intended, please use "n" and explain in <2207-2223> section. "a" can only represent itself.

RAW SEQUENCE LISTING DATE: 04/04/2005
PATENT APPLICATION: US/10/528,845 TIME: 11:02:42

Input Set : A:\0185660SeqList.txt
Output Set: N:\CRF4\04042005\J528845.raw

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144 <213> ORGANISM: Sinorhizobium meliloti
147 <220> FEATURE:
148 <221> NAME/KEY: CDS
149 <222> LOCATION: (1)..(708)
151 <400> SEQUENCE: 9
152 atg aag aag ctc gac cgc atg ccg acc cac gcc gaa ttc gcc cat gtc       48
153 Met Lys Lys Leu Asp Arg Met Pro Thr His Ala Glu Phe Ala His Val
154 1               5                  10                  15
156 acc gac tgg gtc ttc gac ctc gac aac acg ctc tat ccg cat cac gtc       96
157 Thr Asp Trp Val Phe Asp Leu Asp Asn Thr Leu Tyr Pro His His Val
158             20                  25                  30
160 aat ctg ttc tca cag atc gac cgc aac atg acg gcc tat gtt gcc gaa      144
161 Asn Leu Phe Ser Gln Ile Asp Arg Asn Met Thr Ala Tyr Val Ala Glu
162         35                  40                  45
164 ctc ctg tcg ctg gag cct gcg gag gcg aag aag ctg cag aag gaa tac      192
165 Leu Leu Ser Leu Glu Pro Ala Glu Ala Lys Lys Leu Gln Lys Glu Tyr
166     50                  55                  60
168 tac cgc gac cac ggc acc acg ctt cag ggc ctg atg ctt cat cac ggc      240
169 Tyr Arg Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu His His Gly
170 65                  70                  75                  80
172 atc gat ccc aat gat ttc ctc gaa aga gcc cac gcc atc gac tat agc      288
173 Ile Asp Pro Asn Asp Phe Leu Glu Arg Ala His Ala Ile Asp Tyr Ser
174                 85                  90                  95
176 gtg gtg ccg gcc gat ccg gcg ctc ggc gag gcg atc aag gcg ctg ccc      336
177 Val Val Pro Ala Asp Pro Ala Leu Gly Glu Ala Ile Lys Ala Leu Pro
178             100                 105                 110
180 gga cgc aag ttc atc ttc acc aac ggc agc gtc gcc cat gcg gag atg      384
181 Gly Arg Lys Phe Ile Phe Thr Asn Gly Ser Val Ala His Ala Glu Met
182         115                 120                 125
184 acc gcg cgg gcg ctc ggc att ctc gag cat ttc aac gac atc ttc gac      432
185 Thr Ala Arg Ala Leu Gly Ile Leu Glu His Phe Asn Asp Ile Phe Asp
186     130                 135                 140
188 atc gtc gcc gcc ggc ttc ata ccg aag ccc gcc ggc gac acc tac gac      480
189 Ile Val Ala Ala Gly Phe Ile Pro Lys Pro Ala Gly Asp Thr Tyr Asp
190 145                 150                 155                 160
192 aag ttc atg ggc ctt cac cgc atc gac acg gcg aat gag gtg atg ttc      528
193 Lys Phe Met Gly Leu His Arg Ile Asp Thr Ala Asn Glu Val Met Phe
194                 165                 170                 175
196 gag gat ctg ccg cgc aac ctg gtc gtc cct aag gcg ctc ggc atg aag      576
197 Glu Asp Leu Pro Arg Asn Leu Val Val Pro Lys Ala Leu Gly Met Lys
198             180                 185                 190
200 acg gtg ctg ctc gtg ccg cgc aat ctc gaa tac gag ttc gcc gag gcc      624
201 Thr Val Leu Leu Val Pro Arg Asn Leu Glu Tyr Glu Phe Ala Glu Ala
202         195                 200                 205
204 tgg gaa acg tcg agc gac gcg gac gat cag atc gac tac gtc acg gaa      672
205 Trp Glu Thr Ser Ser Asp Ala Asp Asp Gln Ile Asp Tyr Val Thr Glu
206     210                 215                 220
208 gac ctg gcg ggt ttc ctg cgc agt gtg att gtt tag                     708
209 Asp Leu Ala Gly Phe Leu Arg Ser Val Ile Val
```

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PATENT APPLICATION: US/10/528,845 TIME: 11:02:42

Input Set : A:\0185660SeqList.txt
Output Set: N:\CRF4\04042005\J528845.raw

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210 225                 230                 235
213 <210> SEQ ID NO: 10
214 <211> LENGTH: 235
215 <212> TYPE: PRT
216 <213> ORGANISM: Sinorhizobium meliloti
218 <400> SEQUENCE: 10
220 Met Lys Lys Leu Asp Arg Met Pro Thr His Ala Glu Phe Ala His Val
221 1               5                  10                  15
224 Thr Asp Trp Val Phe Asp Leu Asp Asn Thr Leu Tyr Pro His His Val
225             20                  25                  30
228 Asn Leu Phe Ser Gln Ile Asp Arg Asn Met Thr Ala Tyr Val Ala Glu
229         35                  40                  45
232 Leu Leu Ser Leu Glu Pro Ala Glu Ala Lys Lys Leu Gln Lys Glu Tyr
233     50                  55                  60
236 Tyr Arg Asp His Gly Thr Thr Leu Gln Gly Leu Met Leu His His Gly
237 65                  70                  75                  80
240 Ile Asp Pro Asn Asp Phe Leu Glu Arg Ala His Ala Ile Asp Tyr Ser
241                 85                  90                  95
244 Val Val Pro Ala Asp Pro Ala Leu Gly Glu Ala Ile Lys Ala Leu Pro
245             100                 105                 110
248 Gly Arg Lys Phe Ile Phe Thr Asn Gly Ser Val Ala His Ala Glu Met
249         115                 120                 125
252 Thr Ala Arg Ala Leu Gly Ile Leu Glu His Phe Asn Asp Ile Phe Asp
253     130                 135                 140
256 Ile Val Ala Ala Gly Phe Ile Pro Lys Pro Ala Gly Asp Thr Tyr Asp
257 145                 150                 155                 160
260 Lys Phe Met Gly Leu His Arg Ile Asp Thr Ala Asn Glu Val Met Phe
261                 165                 170                 175
264 Glu Asp Leu Pro Arg Asn Leu Val Val Pro Lys Ala Leu Gly Met Lys
265             180                 185                 190
268 Thr Val Leu Leu Val Pro Arg Asn Leu Glu Tyr Glu Phe Ala Glu Ala
269         195                 200                 205
272 Trp Glu Thr Ser Ser Asp Ala Asp Asp Gln Ile Asp Tyr Val Thr Glu
273     210                 215                 220
276 Asp Leu Ala Gly Phe Leu Arg Ser Val Ile Val
277 225                 230                 235
280 <210> SEQ ID NO: 11
281 <211> LENGTH: 32
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Primer P101
288 <400> SEQUENCE: 11
289 gaagcttccc gggccgtgtc ataaacccgc cc                                  32
292 <210> SEQ ID NO: 12
293 <211> LENGTH: 32
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
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RAW SEQUENCE LISTING DATE: 04/04/2005
PATENT APPLICATION: US/10/528,845 TIME: 11:02:42

Input Set : A:\0185660SeqList.txt
Output Set: N:\CRF4\04042005\J528845.raw

298 <223> OTHER INFORMATION: Primer P102
300 <400> SEQUENCE: 12
301 caagcttccc gggatcatcg ccgggtttta cg 32

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 04/04/2005
PATENT APPLICATION: **US/10/528,845** TIME: 11:02:43

Input Set : **A:\0185660SeqList.txt**
Output Set: **N:\CRF4\04042005\J528845.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; N Pos. 12,15

VERIFICATION SUMMARY DATE: 04/04/2005
PATENT APPLICATION: **US/10/528,845** TIME: 11:02:43

Input Set : **A:\0185660SeqList.txt**
Output Set: **N:\CRF4\04042005\J528845.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0